

18.3200

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SOV/130-60-3-4/23

AUTHOR: Ivanov, I. A. (gas fitter of blast-furnace shops)

TITLE: Work of Blast-Furnace Air Preheaters

PERIODICAL: Metallurg, 1960, Nr 3, p 5 (USSR)

ABSTRACT: A decrease of coke consumption can be achieved by increasing the temperature of the blast. Therefore, blast-furnace operators tend to work on a hot air-blast (950-1,000° C) which requires the gas fitter's special attention. The operation of the air-preheater can be judged by the temperature of the bell and smoke, which should uniformly increase. The temperature of the air blast is increased by 10-20° C per day with subsequent holding for 1 or 2 days. When temperature reaches 950°, long time holding is recommended to accumulate a sufficient amount of heat.

ASSOCIATION: Magnitogorsk Metallurgical Combine (MMK)  
Card 1/1

IVANOV, I.A.

Conveying lines for making rippled slate without using metal  
paddings. Stroim. 5 no.12:17-18 D '59.

(MIRA 13:3)

1. Direktor Belgorodskogo asboshifernogo kombinata.  
(Asbestos cement) (Roofing, Slate)

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of  
Natural Gases and Petroleum. Motor Fuels. Lubricants,  
I-13

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62624

Author: Semenido, Ye. G., Ivanov, I. A., Kaverina, N. I.

Institution: None

Title: Fractional Composition of Motor Oils

Original

Periodical: Neft. kh-vo, 1955<sup>3</sup>, No 1, 71-76

Abstract: Determined were the optimal fractional composition of oils, for carburetor and diesel automobile engines and aircraft carburetor engines, that ensure a practically complete absence of evaporation of the oil during operation. Oil that distills over up to 340° in an amount not exceeding 5% underwent no change during operation of GAZ-51, and the boiling range of subsequent fractions had no effect on evaporation of the oil in the engine. For V-2 and YaAZ-204 diesels can be used oils containing lower boiling fractions, namely not more

Card 1/2

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of  
Natural Gases and Petroleum. Motor Fuels. Lubricants,  
I-13

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62624

Abstract: than 5% of the oil should distill over at 320°. If the oils contain large amounts of fractions distilling over below 320° they evaporate slowly during operation of the engine under normal temperature conditions, and relatively rapidly during operation at more elevated temperature, after which a stable fractional composition of the oil is attained. Extent of wear of the engine has no effect upon its requirements as to the fractional composition of the oil. Optimal temperature of distilling over of the 5% first fraction of aviation oil is 350°.

Card 2/2

IVANOV, I.A., elektromekhanik.

Automatic protection of electric incubator motors from burning out.  
Ptitsevodstvo 8 no.2:25 P '58. (MIRA 11:1)

1. Rybinskaya Inkubatorno-ptitsevodcheskaya stantsiya, Yaroslavskoy oblasti.

(Incubators) (Electric motors)

IVANOV, I.A. (g.Moskva)

Reviews and bibliography ("Problems of hydrodynamics and aerodynamics in physics courses" by P.A. Rymkevich. Reviewed by I.A. Ivanov).  
Fiz. v shkole 20 no.3:106-109 My-Je '60. (MIRA 13:11)  
(Physics--Study and teaching)  
(Rymkevich, P.A.)

KOVADLO, M.L.; IVANOV, I.A.; UKHANOV, P.I.; PCHUKLIN, Yu.V., red.;  
ONOSHIKO, N.G., tekhn.red.

[Atomic icebreaker "Lenin."] Atomnyi ledokol "Lenin." Leningrad,  
Lenizdat, 1960. 170 p. (MIRA 14:2)

1. Sotrudniki redaktsii zavodskoy mnogotirazhnoy gazety  
"Za kommunizm" (for Kovadlo, Ivanov, Ukhonov).  
(Lenin (Atomic ship))

KORTNEV, Andrey Vasil'yevich; RUBLEV, Yuriy Vladimirovich; KUTSENKO,  
Al'fred Nikolayevich; IVANOV, I.A., red.; GRIGORCHUK, L.A.,  
tokhn. red.

[Practical work in physics] Praktikum po fizike. Moskva, Gos.  
izd-vo "Vysshaia shkola," 1961. 426 p. (MIRA 15:2)  
(Physics--Laboratory manuals)



KHANAZYUK, Vasily Grigor'yevich; TARUSOV, B.N., prof., red.; IVANOV,  
I.A., red.; GOROKHOVA, S.S., tekhn. red.

[Practical work in general biophysics in eight parts] Praktikum  
po obshchei biofizike v vos'mi vypuskakh. Pod obshchei red.  
B.N.Tarusova. Moskva, Gos. izd-vo "Vysshaya shkola." No.5.  
[Dosimetry of ionizing radiations] Dozimetriia ioniziruiushchikh  
izluchenii. 1961. 243 p. (MIRA 15:2)  
(Radiation--Dosage) (Radiography)

TEREGULOV, Mukhamed Khusainovich[deceased]; IVANOV, I.A., red.;  
GOROKHOVA, S.S., tekhn. red.

[Problems and questions in physics; a manual for applicants  
to schools of higher education]Sbornik zadach i voprosov po  
fizike; posobie dlia postupaiushchikh v vysshie uchebnye za-  
vedeniia. Moskva, Gos.izd-vo "Vysshiaia shkola," 1962. 289 p.  
(MIRA 15:12)

(Physics--Problems, exercises, etc.)

BESSONOV, Lev Alekseyevich; IVANOV, I.A., red.; MURASHOVA, V.A.,  
tekhn. red.

[Theoretical principles of electrical engineering; in three  
parts] Teoreticheskie osnovy elektrotekhniki; v trekh  
chastiakh. Izd.3. Moskva, Gos.izd-vo "Vysshaya shkola,"  
1961. 791 p. (MIRA 15:3)  
(Electric engineering)

EYT'KO, Nikolay Dmitriyevich; PALEOLOG, G.D., retsenzent; TOLSTIKOV,  
N.A., retsenzent; IVANOV, I.A., red.; VORONINA, R.K., tekhn.  
red.

[Physics for secondary special correspondence schools] Fizika  
dlia zaachnykh srednikh spetsial'nykh uchebnykh zavedenii.  
Moskva, Gos. izd-vo "Vysshaya shkola," Pt.1-2. [Mechanics.  
Molecular physics and heat] Mekhanika. Malekuliarnaya fizika  
i teplota. 1961. 323 p. (MIRA 15:3)  
(Physics)

"Multiple Subcutaneous Cysticercosis in Man", Med. Paraz. i Paraz. Bolez., Vol. 17,  
pp 179-80, 1948.

IVANOV, I. A.

IVANOV, I. A. - "Restorative operations in combined injuries to the penis and urethra" (Experimental-clinical investigation). Moscow, 1955. Min Health USSR. Central Inst for the Advanced Training of Physicians. (Dissertation for the degree of Doctor of Medical Sciences).

SO: Knizhnaya Letopis' No. 46, 12 November 1955. Moscow

ALIASHEV, B.P.; ANDREYEV, G.A.; BORISOV, S.A. [deceased]; IVANOV, I.A.

Increasing the accuracy and speed of the flotation determination  
of single crystal density. Zav.lab. 28 no.6:707-709 '62.

(MIRA 15:5)

1. Fiziko-tekhnicheskiy institut imeni A.F. Ioffe AN SSSR.  
(Crystals)

S/131/62/000/010/002/003  
B101/B186

AUTHOR: Ivanov, I. A.

TITLE: Influence of the gaseous phase on the calcination of  
magnesite (Compositions of combustion products of the fuel)

PERIODICAL: Ogneupory, no. 10, 1962, 472 - 477

TEXT: The effect of the combustion gases on the sintering of magnesite was studied. Lumpy, amorphous magnesite was heated in an electric furnace to 1200-1500°C in dry N<sub>2</sub>; dry CO<sub>2</sub>; water vapor, N<sub>2</sub> + 50% H<sub>2</sub>O; CO<sub>2</sub>+50% H<sub>2</sub>O; mixture of 8% N<sub>2</sub>, 70% CO<sub>2</sub>, and 22% H<sub>2</sub>O, or mixture of 70% N<sub>2</sub>, 8% CO<sub>2</sub>, and 22% H<sub>2</sub>O. Shrinkage and porosity were determined and the product examined microscopically. Results: (1) Dry N<sub>2</sub> or CO<sub>2</sub> showed no difference in action. Maximum shrinkage occurred at 1300-1500°C, maximum density was reached at about 1600°C. Magnesite calcined in CO<sub>2</sub> showed lower strength. The grain size was 1-2μ. (2) In water vapor, considerable shrinkage begins even below 1100°C and this increases steadily with increasing

Card 1/3



Influence of the gaseous phase...

S/131/62/000/010/002/003  
B101/B186

temperature. Maximum density should be reached a little below  $1600^{\circ}\text{C}$ . At  $1300^{\circ}\text{C}$  the samples already look like porcelain and at  $1500^{\circ}\text{C}$  sintering occurs, the grain size being  $\sim 0.8\mu$ . (3)  $\text{N}_2$  or  $\text{CO}_2$  with  $\text{H}_2\text{O}$  at the ratio of 1:1 hamper the shrinkage of magnesite, especially at high temperatures. Maximum density is not yet reached even far above  $1600^{\circ}\text{C}$ . In the presence of  $\text{N}_2$ , the product becomes less porous than in the presence of  $\text{CO}_2$ , grain size  $\sim 1\mu$ . All samples calcined in the presence of 50%  $\text{H}_2\text{O}$  showed fine cracking. (4) The three-component mixtures affected shrinkage and porosity in proportion to their  $\text{N}_2$  and  $\text{CO}_2$  contents. Conclusions: High-grade fuels such as petroleum have a gaseous phase which contains too much water vapor to be favorable for the sintering of magnesite. Oxygen substituted for air brings the composition of the combustion gases nearer to the ratio 50%  $\text{H}_2\text{O}$  + 50%  $\text{CO}_2$ , which is particularly unfavorable. None of the combustion gases favors the growth of periclase grains. The marked tendency to sintering observed in magnesium oxide hydrate obtained from brine is explained by the introduction of  $\text{OH}^-$  ions in the periclase lattice. There are 9 figures. ✓

Card 2/3

Influence of the gaseous phase...

S/131/62/000/010/002/003  
B101/B186

ASSOCIATION: Sibirskiy metallurgicheskiy institut im. S. Ordzhonikidze  
(Siberian Metallurgical Institute imeni S. Ordzhonikidze)

Card 3/3

S/131/62/000/012/001/004  
B117/B186

AUTHOR: Ivanov, I. A.

TITLE: Effect of the gaseous phase on the firing of magnesite  
(Compositions with acid admixtures)

PERIODICAL: Ogneupory, no. 12, 1962, 545 - 552

TEXT: Following a study of the effect of gaseous combustion products on the firing of magnesite (Ogneupory, 1962, no. 10) the effect of acid admixtures, particularly fluorine, on magnesite was investigated. Samples from magnesite or dolomite powders (fraction 0 - 0.3 mm) and from synthetic masses (forsterite and spinel types) were compressed under optimum pressure with and without admixtures and burned in electric furnaces with carborundum heaters, partly in Kryptol furnaces. Ammonium salts, ilmenite, fluorite, and LiF were used as acid admixtures, these being introduced either in the raw mass or in the gas medium. As compared with other acid admixtures, the fluoride ion proved an efficient mineralizer, especially for pure magnesite and magnesium oxide. Therefore Mg is the best cation carrier for fluorine. The effect of fluorine sets in near the decarbonization temperature of magnesite and is stronger in the reducing than in the

Card 1/3

Effect of the gaseous...

S/131/62/000/012/001/004  
B117/B186

oxidizing medium. The mode of introduction (into the mass or gas medium) does not affect the action of F which promotes the sintering and growth of periclase grains. For periclase products, F has the advantage over other acid admixtures that it can be easily removed to any extent. The fluorine-based products, obtained by firing at comparatively low temperatures, proved to be a dense, monomineralic, well crystallized, high-strength material. Since magnesite grains decompose rapidly in the presence of F it may be assumed that both amorphous and crystalline magnesites are suited for practical use. It was proved by experiments and thermodynamic calculations that a recirculation of the fluoride admixture is possible if the conditions of the heating zone are carefully chosen to ensure that the temperature of the flue gases shall not exceed 300°C. Since only a very small part of the fluoride admixture, which forms a solid solution with MgO, proves to be the most efficient agent, the formation of larger amounts of the same should be further investigated. What dose of the fluoride is adequate for the firing process might be found out by pilot-plant tests with production-size refractories. In such tests, pre-firing density and the diffusibility of fluorine should be considered. Fluorine compounds, obtained as waste products from electrolytic processing of phosphorus ores (addition of  $MgF_2$ ) will ensure the necessary supply. There

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Card 2/3

Effect of the gaseous...

are 6 figures.

S/131/62/000/012/001/004  
B117/B186

ASSOCIATION: Sibirskiy metallurgicheskiy institut im. S. Ordzhonikidze  
(Siberian Metallurgical Institute imeni S. Ordzhonikidze)

Card 3/3

FENEIONOV, A.L., prof.; IVANOV, I.A., prof. (Perm')

Brief historical data on the clinic of the Department of Surgery  
of the Perm Medical Institute. Trudy Perm. gos. med. inst. 43:  
121-127 '63. (MIRA 17:6)

BESSONOV, Lev Alekseyevich; IVANOV, I.A., red.

[Theoretical principles of electrical engineering in three  
parts] Teoreticheskie osnovy elektrotekhniki v trekh cha-  
stiakh. Izd.4. Moskva, Vysshaya shkola, 1964. 749 p.  
(MIRA 17:10

KORTNEV, Andrey Vasil'yevich; RUBLEV, Yuriy Vladimirovich; KUTSENKO,  
Alfred Nikolayevich; IVANOV, I.A., red.; GARINA, T.D.,  
tekhn. red.

[Laboratory manual on physics] Praktikum po fizike. Izd.2.,  
dop. Moskva, Vysshaya shkola, 1963. 515 p.  
(MIRA 17:2)



GRABOVSKIY, Rostislav Ivanovich; IVANOV, I.A., red.

[Physics course for agricultural institutes] Kurs fiziki  
dlia sel'skokhoziaistvennykh institutov. Moskva, Vysshiaia  
shkola, 1963. 525 p. (MIRA 17:6)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619030004-8

SCIENCE. Zhurnal fizicheskoy khimii, v. 39, no. 3, 1965, 756-757

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619030004-8"

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619030004-8

Card 1/2

APPROVED FOR RELEASE: 08/10/2001

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**CIA-RDP86-00513R000619030004-8**

**APPROVED FOR RELEASE: 08/10/2001**

**CIA-RDP86-00513R000619030004-8"**

S/081/61/000/021/054/094  
B110/B101

AUTHORS: Ivanov, I. A., Timofeyev, A. I.

TITLE: Production of light concretes on the basis of agloporite ash

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 314, abstract  
21K326 (Izv. vyssh. uchebn. zavedeniy. Str-vo i arkhitekt.,  
no. 6, 1960, 157-163)

TEXT: Agloporite from the ash of the TЭЛ-3 (TETs-3) of the town of  
Novosibirsk is characterized by a volume weight of 1000 - 1100 kg/m<sup>3</sup> per  
piece, a volume bulk weight of 600-700 kg/m<sup>3</sup>, and a strength of 50-70 kg/cm<sup>2</sup>.  
10·10·10-cm samples were produced from agloporite concrete by vibration  
for 1.5 min at a 32 g/cm<sup>2</sup>-load on a laboratory vibrator and by steaming  
out for 12 hr at 90°C. It was found that agloporite ash has the types  
25 to 150 with a volume weight of 900-1500 kg/m<sup>3</sup>. Hence it can be used  
for construction- and heat insulating products. [Abstracter's note:  
Complete translation.]  
Card 1/1

IVANOV, I.A.

Grain-size distribution as one of the basic characteristics of the fly ash of thermoelectric power plants. Izv.vys.ucheb.zav.; stroi. i arkhitekt. 4 no.6:146-154 '61. (MIRA 15:2)

1. Novosibirskiy inzhenerno-stroitel'nyy institut imeni V.V. Ktybysheva.

(Fly ash)

IVANOV, I. A., kand. tekhn. nauk

Using cinders from thermoelectric power plants in making agloporite  
and aerated concrete products. Stroi.mat.7 no.2:16-17 F '61.

(MIRA 14:3)

(Lightweight concrete)

IVANOV, I.A., kand.tekhn.nauk

Agloporite made from ashes of the Novosibirsk Thermal Electric  
Plant No. 3 and lightweight concretes made from it. Sbor.trud.  
VNIINSM no.6:56-67 '62. (MIRA 15:12)

1. Novosibirskiy inzhenerno-stroitel'nyy institut im. V.V.  
Kuybysheva.

(Ash (Technology)) (Lightweight concrete)



IVANOV, I.A., kand.tekhn.nauk; VAZHENINA, L.M., inzh.

Determining the grain-size distribution of ashes from electric  
power plants using a floating device. Stroim. mat. 8 no.12:  
33-34 D '62. (MIRA 16:1)  
(Ash (Technology))

POPOV, N.A., doktor tekhn. nauk; IVANOV, I.A., kand. tekhn. nauk

Efficient means of the overall utilization of ash from  
electric power plants. Stroil. mat. 9 no.8:5-8 Ag'63.  
(MIRA 17:5)

LEYRIKH, A.A., inzh. IVANOV, I.A., kand. tekhn. nauk; BALAKHNIN, M.V.,  
kand. tekhn. nauk; KROTOV, A.I., inzh.

Producing clay-ash aggregates in Western Siberia. Stroi. mat.  
10 no.10:33-34 0 '64. (MIRA 18:2)

SHVEDOV, V.P.; IVANOV, I.A.

Transport number and mobility of ions in a fused mixture  
of sodium and cesium nitrates. Elektrokhimia 1 no.12:  
1479-1481 D '65. (MIRA 19:1)

1. Leningradskiy tekhnologicheskii institut imeni Lensoвета.  
Submitted April 3, 1965.

L 22579-66

ACC NR: AP6012980

SOURCE CODE: UR/0097/65/000/002/0012/0016

AUTHOR: Diamant, M. I. (Engineer); Ksenofontov, N. I. (Engineer); Fedynin, N. I. (Engineer); Ivanov, I. A. (Candidate of technical sciences) 9

ORG: none B

TITLE: Production of wall panels from aerated ash concrete based on slag portland cement

SOURCE: Beton i zhelezobeton, no. 2, 1965, 12-16

TOPIC TAGS: concrete, slag, cement, general construction

ABSTRACT: The technology of 35 cm thick single-layer panels of non-autoclaved aerated ash concrete based on slag portland cement was developed by the Novokuznetsk Branch of the Ural Scientific Research Institute of Reinforced Concrete and introduced at the Kuznetsk Prefabricated Frame and Panel Housing Factory. Slag portland was used for this purpose, since it is inexpensive and produced from acid blast-furnace slags of the Kuznetsk Metallurgical Combine by a number of plants in West Siberia. As for the ash, it is provided by the adjacent electric power stations. Owing to a number of technological factors: a sound granulometric composition of the system; binder plus ash, optimal addition of lime to binder, and replacement of steaming of panels by their contact heating on production stands, the moisture content and shrinkage of this concrete were markedly reduced. Wall panels fabricated from this concrete display high technical and economic indexes, in view of the low cost of ash and blast-furnace slag

Card 1/2

UDC: 666.98

L 22579-66

ACC NR: AP6012980

and the simplicity of the production technology. The cost per cubic meter of aerated ash concrete is 20-30% lower than that of autoclave-hardened cellular concrete based on sand. The net production cost per m<sup>2</sup> of a 35 cm aerated ash concrete panel does not exceed 10 rubles. Orig. art. has: 5 figures and 2 tables. [JPRS]

SUB CODE: 11, 13 / SUBM DATE: none / ORIG REF: 002

Card 2/2 BK

... , ... .., ed.

A manual on railroad tools and implements; also in  
Moskva, Gen. transp. zhel. dor. izd-vo, 1944. 199p. (50-49628)

Tb350.R83 1944

IVANOV, I. and ZOLOTARSKII, A.

Vazhneishie voprosy poslevoennogo razvitiia putevogo khoziaistva. [Important questions of postwar development of rail tracks]. (Zhel-dor. transport, 1945, no. 7, p. 51-57 tables).

DLC: HE7.Z5

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified. (Card 1 of 2)



LOMAGIN, N. A. and IVANOV, I.

Energetika transporta v novoi stalinskoj platiletke. [Transportation power in the new Stalin five-year plan]. (Zhel-dor, transport, 1946, no. 10, p. 19-27).

DLC: HE7.Z5

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY. Library of Congress Reference Department, Washington, 1952, Unclassified.

IVANOV, I. A.

USSR/Engineering  
Railroads  
Communications

Apr 1947

"Research and Technical Conference of the All-Union  
Research and Investigation Institute of Railway Trans-  
portation," I. A. Ivanov, Candidate in Technical Sci-  
ences, 3 pp

"Tekh Zheleznikh Dorog" No 4

This article states that at the conference which was  
held in Mar 1947 various officials reported on the  
state of the Soviet Railway System and also gave their  
opinions concerning deficiencies and priorities for  
correction.

BS

28142

IVANOV, I.

Puti ratsional'nogo ispol'zovaniia **elektroenergii** v zheleznodorozhnom khoziaistve.  
[ Ways for effiecient use of electric power in the railroad economy ]. (Zheldor.  
transporta, 1948, no. 1, p. 63-72).

DLC: HE7Z5

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A Bibliography, Library of Congress,  
Reference Department, Washington, 1952, Unclassified.

USSR/Engineering  
Tracks, railroad  
Tracking - Design

Feb 1948

"The Preeminence of Soviet Science in the Field of Rails," Prof P. G. Koziychuk,  
Dr. Tech Sci; I. A. Ivanov, Candidate Tech Sci, 1 $\frac{1}{2}$  pp

"Tekh Zhelez Dorog" No 2

Briefly compares rail relief of various countries, particularly with the USA, showing how the USSR has surpassed everybody in this field. States that Soviet achievements in field of rail design should be made known to all young technicians concerned with maintenance of USSR's predominance in this field.

PA 61742

IVANOV, I. A.

Our attempt to increase the utilization of locomotive horsepower.  
Moskva, Pravda, 1951. 23 p.

MH

1. Railroads - Russia. 2. Locomotives.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

VLASOV, I.I.; KALININ, V.A., inzhener, redaktor; IVANOV, I.A., direktor;  
VORONIN, A.V., rukovoditel' otdeleniya elektrifikatsii; TUDSON, D.M.,  
tekhnicheskiy redaktor.

Technique for the mechanical design of contact systems. Trudy TSNII  
MPS no.91:3-82 '54. (MLRA 7:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut shelesnodorozhno-  
go transporta MPS (for Ivanov)  
(Electric railroads)

LEPSKIY, Abram Vladimirovich, kandidat tekhnicheskikh nauk; GULEV, Ya.F.,  
redaktor; IVANOV, I.A.; DERIBAS, A.T.; KHITROV, P.A., tekhnicheskii  
redaktor.

[Organization and mechanization of loading lumber on railroad cars.]  
Organizatsiia i mekhanizatsiia pogruzki lesomaterialov v vagony. Moskva,  
Gos. transportnoe zheleznodorozhnoe izdatel'stvo, 1955, 103 p. (Moscow Vsesoiuznyi  
nauchno-issledovatel'skii institut zheleznodorozhnogo transporta.  
Trudy, no. 104). (MIRA 9:7)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta (for Ivanov). 2. Rukeyeditel' otdeleniya promyshlennogo transporta (for Deribas).  
(Lumber--Transportation) (Loading and unloading)



IVANOV, I.A.; TSUKANOV, P.P.; SHCHAPOV, N.P.

~~SECRET~~

Foreword. Trudy TSNII MPS no.111:3-4 '55.

(MLRA 9:5)

1 Direktor instituta (for Ivanov); 2. Rukovoditel' otdeleniya  
putevogo khozyaystva (for TSukanov); 3. Rukovoditel' otdeleniya  
ispytaniya materialov i konstruktsii (for Shchapov).  
(Railroads--Rails)

*Ivanov, I. A.*  
IVANOV, I.A.

Development of scientific research in the railway system during  
the Soviet period. Vest. TSNII MPS 16 no.7:3-10 0 '57. (MLRA 10:11)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta zhelezno-  
dorozhnogo transporta.  
(Railroad research)

IVANOV, I.A., kand.tekhn.nauk

Comprehensive utilization of ash from heat and electric power  
plants in the production of agloporites and air-entrained  
concrete. Trudy Zap.-Sib.fil.ASiA no.3:3-20 '60. (MIRA 15:2)  
(Ash (Technology))  
(Air-entrained concrete)

1 V A C O V 1 1

PHASE I BOOK EXPLOITATION

SOV/4546

Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta:

Voprosy gazoturbovozostroyeniya i transportnoy teploenergetiki; sbornik statey  
(Problems in Gas-Turbine Locomotive Building and Heat-Power Engineering in  
Transportation; Collection of Articles) Moscow, Transzheldorizdat, 1960. 214 p.  
(Its: Trudy, vyp. 187) 1,000 copies printed.

Sponsoring Agency: Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo  
transporta.

Eds. (Title page): Ye. T. Bartosh, Candidate of Technical Sciences, and A.V.  
Kas'yanov, Candidate of Technical Sciences; Ed. (Inside book): I.K. Petushkova;  
Tech. Ed.: P.A. Khitrov.

PURPOSE: This book is intended for engineering and technical personnel.

COVERAGE: The book consists of 13 articles on the results of theoretical investiga-  
tion of gas turbine units with two-stage fuel combustion, and on theoretical and  
laboratory investigations of air tank units and their components. Special features

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Problems in Gas-Turbine Locomotive Building (Cont.)

SOV/4546

of variable regimes of locomotive gas turbine engines and problems of fuel economy in locomotive and stationary units are discussed. No personalities are mentioned. References accompany some of the articles.

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Problems in Gas-Turbine Locomotive Building (Cont.)

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Postarnak, S.F., Engineer. Investigation and Selection of Types of  
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190

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in the Air Tank of a Gas Turbine Locomotive

202

AVAILABLE: Library of Congress

Card 4/4

AC/rn/mms  
11-25-60

IVANOV, I.A.; DERIBAS, A.T.

Expansion of cooperation between main and industrial railroads.  
Trudy TSNII MPS no. 196:4-25 '60. (MIRA 14:5)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta (for Ivanov). 2. Rukovoditel' otdeleniya gruzovoy raboty Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta (for Deribas).  
(Railroads--Freight)



ACC NR: AP6033618 SOURCE CODE: UR/0136/66/000/010/0070/0073

AUTHOR: Ivanov, I. A.; Shpolyanskiy, L. Ya.

ORG: none

TITLE: New plate and sheet rolling plant

SOURCE: Tsvetnyye metally, no. 10, 1966, 70-73

TOPIC TAGS: aluminum alloy, sheet, <sup>metal</sup> ~~aluminum alloy~~ plate, <sup>metal</sup> ~~aluminum alloy~~ rolling, ~~aluminum alloy~~ rolling, ~~rolling plant~~, rolling mill

ABSTRACT: Plans were made in 1964 for a new plant [located unidentified] which will roll alluminum-alloy sheets and plates. The plant will be equipped with a high-rigidity four-high mill with working rolls 800 mm in diameter and backup rolls 1500 mm in diameter. The roll lengths will be 1800 mm. This mill will roll conditioned (by milling) slabs 270—300 mm thick into plates 7—9 mm thick. The cold rolling will be done in two continuous four-high mills with working rolls 600 mm in diameter and backup rolls 1500 mm in diameter. The roll length will be 1800 mm. Cold-rolled strip will have a final thickness of 0.6—4 mm. Orig. art. has: 2 figures.

SUB CODE: 13. / SUBM DATE: none/

Card 1/1

UDC: 669.715:621.771.23/24

SHVEDOV, V.P.; IVANOV, I.A.

Transport numbers of sodium and potassium cations in molten sodium  
and potassium hydroxides. Zhur. fiz. khim. 39 no.3:756-757 Mr '65.  
(MIRA 18:7)

1. Leningradskiy tekhnologicheskii institut imeni Lensoвета.

IVANOV, I.B.

Basic data on rare earth elements. Geol. mest. red. elem. no.3:  
4-12 '59. (MIRA 14:7)

(Rare earth metals)

IVANOV, I.B.

Rare earth minerals. Geol. mest. red. elem. no.3:30-44 '59.  
(MIRA 14:7)

(Rare earth metals)

ZHIROV, K.K.; SHESTAKOV, G.I.; IVANOV, I.B.

Interpretation of age figures obtained by the lead method.  
Geokhimiia no.1:49-55 '61. (MIRA 14:3)

1. Institute of Geochemistry Siberian department of the  
Academy of Sciences, U.S.S.R.  
(Lead—Isotopes)  
(Geological time)

SHESTAKOV, G.I.; IVANOV, I.B.

Graphic method of studying age discrepancies by the lead-uranium ratios. Geokhimiia no. 3:239-242 '61. (MIRA 14:4)

1. Institute of Geochemistry of the Siberian Branch, Academy of Sciences, U.S.S.R.

(Geological time) (Lead) (Uranium)

S/007/62/000/006/002/002  
B107/B101

AUTHORS: Zhurov, K. K., Shestakov, G. I., Ivanov, I. B.

TITLE: Letter to the Editor

PERIODICAL: Geokhimiya, no. 6, 1962, 546

TEXT: In amplification of a previous paper (Geokhimiya, no. 1, 1961) the authors state that in the case of simultaneous loss of Pb and U(Th) from a mineral the total effect must be calculable from the equation:

$Pb/U = \exp(\lambda t) - 1 - [(1-n)/(1-m)] [\exp(\lambda t) - \exp(\lambda T)]$ , whence an expression for  $Pb^{207}/Pb^{206}$  can be derived. If the loss factors for lead and uranium (thorium) are equal (i. e., with  $n = m$ ) this becomes  $Pb/U = \exp(\lambda T) - 1$ . These conclusions and the related diagrams in the above-mentioned paper can be used only to compare two minerals, one without loss of lead and the other without loss of uranium (thorium).

Card 1/1

AFANAS'YEV, G.D.; IVANOV, I.B.; SHANIN, L.L.

Potassium-argon dating of recent granitic magma. Izv. AN SSSR.  
Ser.geol. 29 no.6:3-9 Je '64. (MIRA 18:2)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,  
mineralogii i geokhimii AN SSSR, Moskva.



TOMSON, I.N.; KONSTANTINOV, R.M.; POLYAKOVA, O.P.; IVANOV, I.B.;  
YESIKOV, A.D.

Upper Mesozoic hydrothermal cycles in eastern Transbaikalia in  
light potassium-argon and lead-isotope dating. Izv. AN SSSR  
Ser. geol. 29 no.7:3-11 J1 '64 (MIRA 18:1)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mine-  
ralogii i geokhimii AN SSSR, Moskva.

CHATELAIN, MICHEL; BOUTIER, JEAN; CHATELAIN, JACQUES; CHATELAIN, JACQUES

from which part of the geology of the Kandykt, Akrotis, Southern Kazakhstan. In the light of the determination of the absolute age of *Arceuthobium* (Pohl. AN SSSR 160 no.4:901-904) 1965.

1. Submitted June 15, 1961.

IVANOV, I.

Geography & Geology

Bulgarska akademiia na naukite. Geologicheski institut. IZVESTIIA.  
Sofia. Vol. 6, 1958.

Concerning the sagging of loess deposits. p. 257.

Monthly List of East European Accessions (EEA), IC, Vol. 8, No2 2,  
February 1959, Unclass.

IVANOV, I.

~~Geography & Geology~~

Bulgarska akademija na naukite. Geologicheski institut. IZVESTIJA.  
Sofia. Vol. 6, 1958.

Concerning the bruied soils in the loess deposits. p. 273.

Monthly List of East European Accessions (EEAI), IC, Vol. 8, No2 2,  
February 1959, Unclass.

IVANOV, I.

Geography & Geology

Bulgarska akademija na naukite. Geologicheski institut. IZVESTIJA.  
Sofia. Vol. 6, 1958.

Auxiliary nomograms for determining the sapping in the loess.  
p. 281.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No2 2,  
February 1959, Unclass.

3(4)  
AUTHORS: Lyubomir Dimov, Professor, Ivanov, Ivan, B., Engineer SOV/154-59-5-16/17

TITLE: Remarks on the Article by A. I. Bolotin, Docent, Candidate of Technical Sciences, "On the Use of the Integral Method of Least Squares for the Determination of the Plane Closest to a Given Part of a Surface"

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos'yemka, 1959, Nr 5, pp 163-165 (USSR)

ABSTRACT: This is a comment on the above-mentioned article (published in "Geodeziya i aerofotos'yemka", 1958, Nr 5), in which a comparison is made between the integral method of least squares used by Bolotin to determine the planes mentioned in the title and the method of least squares worked out by Professor L. Dimov. It is noted that summation over discrete points is possible with the help of the first-mentioned method and that, consequently, this summation is also suited for a limited number of points as required by geodesy in the practice. However, this cannot be achieved by the method of least squares. Bolotin's method further allows the calculation of surface, volume, and moments of inertia from the initial quantities employed.

Card 1/2

SOV/154-59-5-16/17  
Remarks on the Article by A. I. Bolotin, Docent, Candidate of Technical Sciences, "On the Use of the Integral Method of Least Squares for the Determination of the Plane Closest to a Given Part of a Surface"

Therefrom the unknown quantities are then determined. There are 5 references, 3 of which are Soviet.

ASSOCIATION: Bolgarskaya Narodnaya Respublika Gorno-geologicheskiy institut (Sofiya) ( Bulgarian People's Republic, Mining and Geological Institute (Sofia)) ✓

Card 2/2

TOMSON, I.N.; IVANOV, I.B.; KONSTANTINOV, R.M.; LOBANOVA, G.M.;  
POLYAKOVA, O.P.

Absolute age of Mesozoic magmatic complexes and ore  
formations in eastern Transbaikalia. Izv. AN SSSR. Ser.  
geol. 28 no.12:31-40 D'63. (MIRA 17:2)

1. Institut geologii rudnykh mestorozhdeniy, petrografi,  
mineralogii i geokhimii AN SSSR, Moskva.



BELIKOV, B.P.; LAVEROV, N.P.; IVANOV, I.B.

Upper age boundary of magneous activity in the southwestern spurs of  
the northern Tien Shan. Dokl. AN SSSR 158 no.2:338-341 S '64.  
(MIRA 17:10)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralologii  
i geokhimii AN SSSR. Predstavleno akademikom D.I.Shcherbakovym.

LAVEROV, N.P.; BELIKOV, B.P.; IVANOV, I.B.

Absolute age of the intrusive rocks and the upper age boundary  
of igneous activity in the southwestern spurs of the northern  
Tien Shan. Izv. AN SSSR. Ser. geol. 29 no.10:103-113 0 '64.  
(MIRA 17:11)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mine-  
ralologii i geokhimii AN SSSR, Moskva.

YABLOKOV, K.V.; IVANOV, I.B.

Absolute age of some Mesozoic granitoids in the northwestern  
margin of the Kolyma middle massif. Izv. AN SSSR. Ser. geol.  
29 no.11:9-24 N '64. (MIRA 17:12)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,  
mineralogii i geokhimi AN SSSR, Moskva.

Ivanov, Ivan D., and Bonev, Vasil: Metallurgy, Elektro-  
metallurgiya i metalografiya (Metallurgy, Electro-Metal-  
lurgy and Metallography). Sofia: People, 1951. 384 pp.

①  
MET

IVANOV, IVAN D.

Ivanov, Ivan D. - Temperovan chugun; poluchavane, svoistva, sustav i prilozhenie. Sofiya (Narodna prosveta) 1952. 167 p. (Tempering cast iron; production, property, composition and application. Illus.)

SO: Monthly List of East European Accessions, Library of Congress, Vol.2, No.9, Oct. 1953, Uncl.

IVANOV, Iv. D., inzh.

Tin plating of cast-iron ware. Tekhnika Bulg 2 no.10:29-31 0 '53.

IVANOV, I. D

Staining of Aluminum Articles. Leka Promishlenost (Light Industry),  
#12:20:Dec. 1954

IVANOV, I.

Ivanov, I. Struggle to eliminate the duration of hard zinc in  
galvanizing iron with heat. p. 43. LELA P'CHISHL NOS. Sofiya.  
Vol. 4, no. 2, 1955.

SO: Monthly List of the East European Accession, (ELAL) LV. Vol. 4,  
no. 10, Oct. 1955. Uncl.



IVANOV, I. D.

Practical Measures for Fighting the Formation of Hard Zinc in the  
Hot Galvanization of Iron. Leka Promishlenost (Light Industry),  
#5:37:May 55

IVANOV, I. D.

From Scientific Institutes. Leka Promishlenost (Light Industry),  
#5:42:May 55

IVANOV, I. D.

Reports. Leka Promishlenost (Light Industry), #5:44:May 55

IVANOV, I.

Aluminization as a means of increasing the fireproof tenacity  
of iron and cast iron. p.12 LEKA PROMISHLENOST. (Ministerstvo  
na lekata i khranitelnata promishlenost) Sofia. Vol. 5, No. 4  
1956

SOURCE: East European Accessions List, (EEAL) Library of  
Congress, Vol. 5, No. 11, November 1956

IVANOV, I. D.

SUKACHEV, V.N.; IVANOV, I.D.

Interactions of organisms and the theory of natural selection.  
Zhur. ob. biol. 15 no.4:303-319 J1-Ag '54. (MIRA 7:9)  
(ECOLOGY) (NATURAL SELECTION)

IVANOV, I.D. : FENIKSOVA, R.V.

Polarographic determination of proteinase and amylase in *Bacillus subtilis*. *Biokhimiia* 24 no.2:222-224 Mr-Apr '59. (MIRA 12:7)

1. Institute of Biochemistry, Academy of Sciences of the U.S.S.R., Moscow.

(*BACILLUS SUBTILIS*, metab.  
amylase & protease, polarography (Rus))  
(AMYLASE,  
in *Bacillus subtilis*, polarography (Rus))  
(PROTEASES,  
same)

IVANOV, I.D.

Nephelometric method for determining the activity of the proteinase  
in *Bacillus subtilis*. Mikrobiologiya 29 no.2:289-292 Apr '60.  
(MIRA 14:7)

1. Institut biokhimii imeni A.N.Bakha AN SSSR.  
(PROTEINASES) (BACILLUS SUBTILIS)  
(NEPHELOMETRIC ANALYSIS)

IVANOV, I.D.

Polarographic maximum on the cobalt wave in the system cobalt -  
8-hydroxyquinoline. Zhur. fiz. khim. 34 no. 11:2517-2520  
N '60. (MIRA 14:1)

1. Akademiya nauk SSSR, Institut biokhimii im. A.N. Bakha,  
Moskva. (Cobalt) (Quinolinol)



IVANOV, I. D. (USSR)

"Polarographic Study of Adsorption and Complex-forming  
Properties of Proteins."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 August 1961

IVANOV, Iordan Dechev; AFANAS'YEV, P.V., doktor biolog. nauk, otv. red.;  
GORBACHEVA, L.B., red. izd-va; UL'YANOVA, O.G., tekhn. red.;  
GOLUB', S.P., tekhn. red.

[Polarography of proteins, enzymes, and amino acids] Poliarografiia belkov, enzimov i aminokislot. Moskva, Izd-vo Akad. nauk SSSR, 1961. 254 p. (MIRA 15:1)  
(Proteins) (Enzymes) (Amino Acids)

IVANOV, I.D.

Modifications of electrolyzers in the polarography of proteins and  
ferments. Lab. delo 7 no.6:54-56 Je '61; (MIRA 14:7)

1. Institut biokhimii imeni A.N.Bakha AN SSSR, Moskva.  
(POLAROGRAPHY-EQUIPMENT AND SUPPLIES)  
(PROTEINS) (ENZYMES)

Z/011/62/019/004/005/008  
E073/E335

AUTHOR: Ivanov, I.D.

TITLE: Determination of the proteolytic activity in  
adsorption polarography

PERIODICAL: Chemie a chemicka technologie; Prehled technické  
a hospodářské literatury, v. 19, no. 4, 1962, 163,  
abstract Ch 62-2230 (Biokhimiya, v.26, no. 4, 1961,  
575 - 580)

TEXT: The proteolytic activity of various concentrations  
of proteinases from *B subtilis* was measured from the reduction  
of the maximum of the system cobalt-8-hydroxyquinoline.  
Reduction by 1 mm was chosen as a unit of activity. Substilysine  
and tripazene were also tested.  
3 figures, 3 diagrams, 1 table and 15 references.  
Abstracter's note: this is a complete translation.]

Card 1/1

IVANOV, I.D.; MOLODOVA, G.A.

Polarographic modification of Bertrand's method in determining  
the activity of some carbohydrases. Mikrobiologiya 30 no.2:337-  
340 Mr-Apr '61. (MIRA 14:6)

1. Institut biokhimii imeni A.N.Bakha AN SSSR.  
(CARBOHYDRATES) (POLAROGRAPHY)

IVANOV, I.D.

Polarographic wave and enzymatic activity of proteinases. Dokl. AN  
SSSR 137 no.6:1463-1466 Ap '61. (MIRA 14:4)

1. Institut biokhimii imeni A.M. Bakha AN SSSR. Predstavleno  
akademikom A.I. Oparinym.  
(Proteinases) (Polarography)

IVANOV, I.D.

Role of adsorption in the generation of the polarographic wave of  
proteins. Dokl. AN SSSR 138 no.4:952-954 Je '61. (MIRA 14:5)

I. Institut biokhimii imeni A.N. Bakha AN SSSR. Predstavleno  
akademikom A.I. Oparinym.

(PROTEINS) (POLAROGRAPHY) (ADSORPTION)

IVANOV, I.D, RAKHLETEVA, YE.YE.

"Polarographie der tertiären struktur der proteine and enzyme."

Report submitted to the Oscillepolarography Course and Polarography Symp.  
Jena, GDR 10-15 Sep 1962



IVANOV, I.D.

Effect of nucleic acids on the polarographic wave of proteins.  
Biofizika, 7 no.2:137-144'62. (MIRA 16:8)

1. Institut biokhimii imeni A.N.Bakha AN SSSR, Moskva.  
(NUCLEIC ACIDS) (PROTEINS) (POLAROGRAPHY)

27-12-10

39231

S/218/62/027/003/003/005

I018/I218

AUTHOR: Ivanov, I. D. and Rakhleyeva, Ye. Ye.

TITLE: Polarographic wave of proteinase of b. Subtilis under u.v. light

PERIODICAL: Biokhimiya, v. 27, no. 3, 1962, 421-425

TEXT: Studies of proteinase from B. subtilis after u.v. irradiation. show that the height of the polarographic wave of subtilysin sharply increased under the influence of 30-40 minute irradiation. The half wave potential of subtilysin shifted towards the negative potential by 50 mv as compared with that of non-irradiated enzyme. A concomitant change in the shape of the wave was noted. Surface activity of irradiated enzyme increased with the height of the polarographic wave. This indicates that adsorption plays part in the appearance of the one step wave of this enzyme. The height of polarographic plays part in the appearance of the one step wave of this enzyme. The height of polarographic wave of heat denatured subtilysin did not respond to irradiation. It has been suggested that heat-and UV denaturation of proteins is caused by a similar mechanism. There are 5 figures.

ASSOCIATION: Institut biokhimii im. A. N. Bakha Akademii nauk SSSR Moscow (Institute of Biochemistry im. A. N. Bakh, Academy of Sciences USSR)

SUBMITTED: July 17, 1961

Card 1/1

IVANOV, I.D.; RAKHLEYEVA, Ye.Ye.; KRYLOVA, V.G.

Effect of deoxyribonucleic acid and diisopropyl  
fluorophosphate on the polarographic wave of subtilisin.  
Dokl. AN SSSR 146 no.4:941-944 0 '62. (MIRA 15:11)

1. Institut biokhimii im. A.N. Bakha AN SSSR.  
Predstavleno akademikom A.I. Oparinym.  
(Subtilisin) (Nucleic acids) (Phosphates) (Polarography)

IVANOV, I.D.; RAKHLEYEVA, Ye.Ye.

Effect of ultraviolet light and casein subtratum on the polarographic wave and the catalytic activity of subtilisin. Dokl. AN SSSR 146 no.5: 1203-1205 0 '62. (MIRA 15:10)

1. Institut biokhimii im. A.N.Bakha AN SSSR. Predstavleno akademikom A.N.Oparinym.  
(SUBTILISIN) (CASEIN) (ULTRAVIOLET RAYS)